## **CONTENTS OF VOLUME 22**

## Number 1

Accumulation and Distribution of Biogenic and Pollutant Hydrocarbons, PCBs and DDT in Tissues of Western Mediterranean Fishes	1
Procédure Optimisée Hors-Contaminations pour l'Analyse des Eléments Nutritifs Dissous dans l'Eau de Mer	19
Georges Bank Monitoring Program: Hydrocarbons in Bottom Sediments and Hydrocarbons and Trace Metals in Tissues	33
Nearshore Hypoxia in the Bottom Water of the Northwestern Gulf of Mexico from 1981 to 1984	75
Number 2	
A Hazard Assessment of Chemically Dispersed Oil Spills and Seabirds D. B. PEAKALL, P. G. WELLS and D. MACKAY (Canada)	91
Hemocytes of Mytilus edulis Affected by Prudhoe Bay Crude Oil Emulsion M. GERALDINE McCORMICK-RAY (USA)	107
Simultaneous Exposure of English Sole ( <i>Parophrys vetulus</i> ) to Sediment-Associated Xenobiotics: Part 2—Chronic Exposure to an Urban Estuarine Sediment with Added <sup>3</sup> H-Benzo[a]pyrene and <sup>14</sup> C-Polychlorinated Biphenyls JOHN E. STEIN, TOM HOM, EDMUNDO CASILLAS, ANDREW FRIEDMAN and USHA VARANASI (USA)	123
Selenium Content of Marine Food Chain Organisms from the Coast of China . D. L. LIU, Y. P. YANG, M. H. HU (People's Republic of China), P. J. HARRISON and N. M. PRICE (Canada)	151
Number 3	
Elevated Circulating Erythrocyte Micronuclei in Fishes from Contaminated Sites off Southern California	167
313	

Marine Environ. Res. (22) (1987)—© Elsevier Applied Science Publishers Ltd, England, 1987. Printed in Great Britain

Returning Adult Sockeye Salmon (Oncorhynchus nerka)—A Simulation Study .  NICHOLAS J. BAX (USA)	177
Preliminary Evaluation of Macrophase Pinocytosis as a Technique to Monitor Fish Health	205
BEVERLY ANNE WEEKS, ANISA S. KEISLER, J. ERNEST WARINNER and ELAINE S. MATHEWS (USA)	
A Simple Model for Pollutant Dispersal from a Sea-floor Source in the Presence of Bottom and Interior Scavenging	215
Short Communication	
Rapid Narcosis and Delayed Mortality in Larvae of King Crabs and Kelp Shrimp Exposed to the Water-Soluble Fraction of Crude Oil	233
Number 4	
Editorial	241
Mortality and Quantitative Aspects of Storage Cell Utilization in Mussels, Mytilus edulis, Following Exposure to Diesel Oil Hydrocarbons	243
Effects of Dietary and Water-borne Oil Exposure on Larval Pacific Herring (Clupea harengus pallasi)	253
Selected Chemical Contaminants in Surface Sediments of Commencement Bay and the Tacoma Waterways, Washington, USA	271
Relationships Between Macroalgal Biomass and Nutrient Concentrations in a Hypertrophic Area of the Venice Lagoon	297



